



HSI Digest	HSI Agency/Organization/Service	Date Month/Yr	Tracking ID
Title			
Background Briefly (a couple of bullets or short sentences) describe the program or problem case.			
Approach Briefly describe the approach taken to the problem.			
Benefit/Return on Investment Briefly describe the benefit of the solution, i.e., reduced manpower, reduced training needs, increased survivability, etc.). Provide metrics wherever possible, i.e., investment of \$x saved \$y; cost avoidance; numbers and/or skill requirements of personnel reduced, etc.			
Details: Additional Text/Figures/Charts/Images etc.: Provide additional detail and/or visual to allow someone with minimal HSI knowledge to understand it.			
Customer/Feedback/other useful info(if applicable)			
Contact Info/Reference Reports List the POC contact info and/or report(s) where results of the effort are documented, if available.			

Submitter's Name	Submitter's Organization	Submitter's Phone Number	Date
John Reinhart	ARL-HRED	703-704-xxxx	31MAY2012
Title			
Human Factors Engineering Evaluation of Nett Warrior System			
Background			
<ul style="list-style-type: none">The Nett Warrior developmental system requirements were de-scoped in FY11 and an approach to implement commercial and existing technology was implemented.With PM Soldier Warrior as system integrator, a commercial, smart-phone based NW system was developed hastily and tested.A number of MANPRINT issues were identified and corrective action recommendations made which will be implemented in pre-production systems by the PM and re-evaluated during IOT.			
Approach			
Attended NW evaluation at NIE 12.1, interviewed several NW users, reviewed soldier surveys, and identified MANPRINT issues which were reported to the PM. Issues were also identified in the MS C MANPRINT Assessment.			
Benefit/Return on Investment			
Human Factors Engineering evaluation of the Nett Warrior system resulted in critical recommendations for improvement that will be implemented in the production system.			
Abstract:			
NW is a tactical communications and situational awareness system for dismounted soldiers based on the use of commercial smart phone technology connected to tactical radios. NW was inserted into the Army's Network Integration Evaluation (NIE) 12.1 in November 2012 at Ft. Bliss, TX as a system under evaluation in order to obtain data to support a Milestone (MS) C decision in March 2012. ARL-HRED interviewed several NW users during this event and discovered a number of human factors issues which were reported in the Human Factors Engineering Assessment (HFEA) for MS C. Those issues included insufficient screen brightness for day and night use, system mounting concerns, clothing and equipment compatibility, display size, software problems, and training issues. These issues are being addressed by PM Ground Soldier and will be evaluated again in the upcoming Initial Operational Test (IOT) in conjunction with NIE 13.1 in November 2012			
Accomplishing Agency			
PM Soldier Warrior and ARL-HRED			
Customer			
Army Test and Evaluation Command (ATEC)			
Report(s) Available			
MANPRINT Assessment for NW Milestone C			